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UNITED STATES PATENT AND TRADEMARK OFFICE

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LETTER TO THE CHIEF DRAFTSPERSON

SIR:

Please substitute the enclosed **34 sheets** of formal drawings containing **Figures 1- 31** for the 31 sheets of drawings containing Figures 1-31 previously submitted.

Respectfully submitted,
 MILLARD E. SWEATT III, ET AL.

Dated: November 9, 2001

By:

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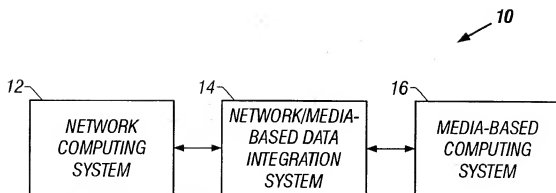


FIG. 1A

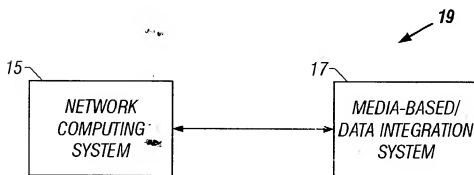
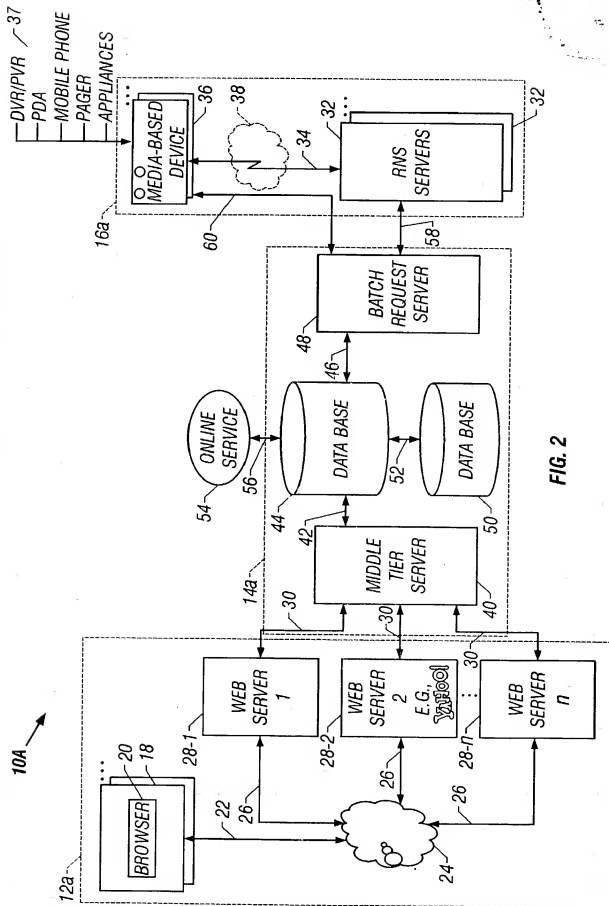


FIG. 1B



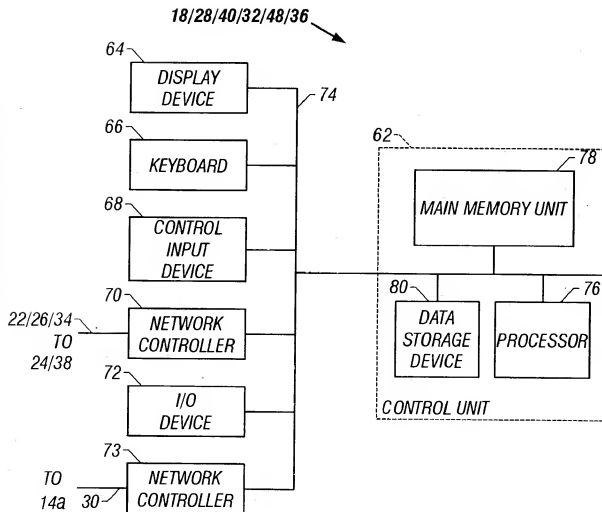


FIG. 3

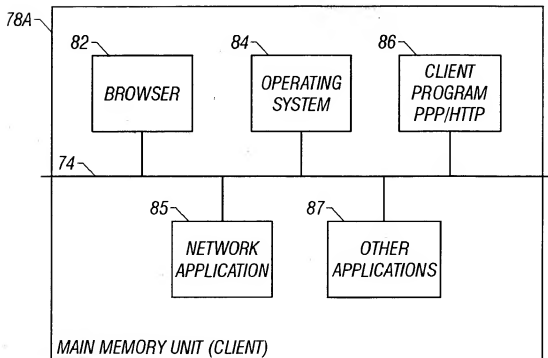


FIG. 4A

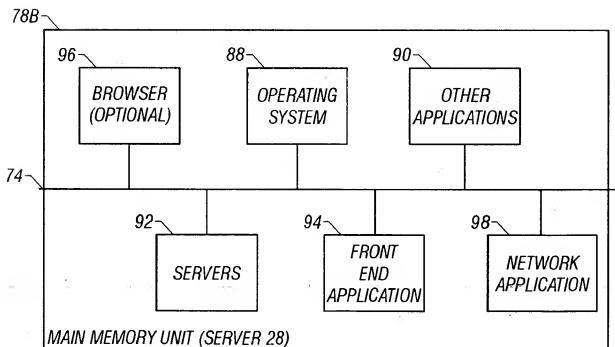


FIG. 4B

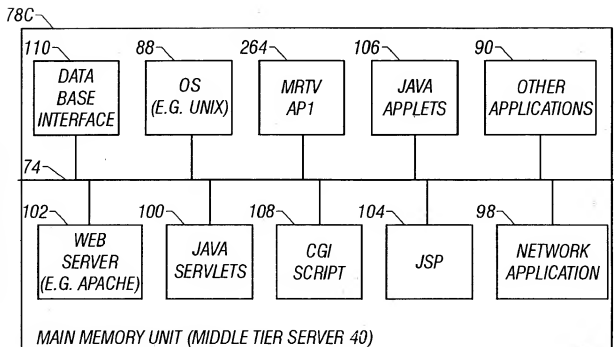


FIG. 4C

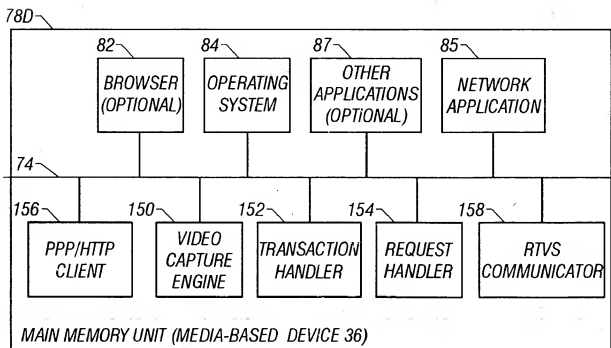


FIG. 4D

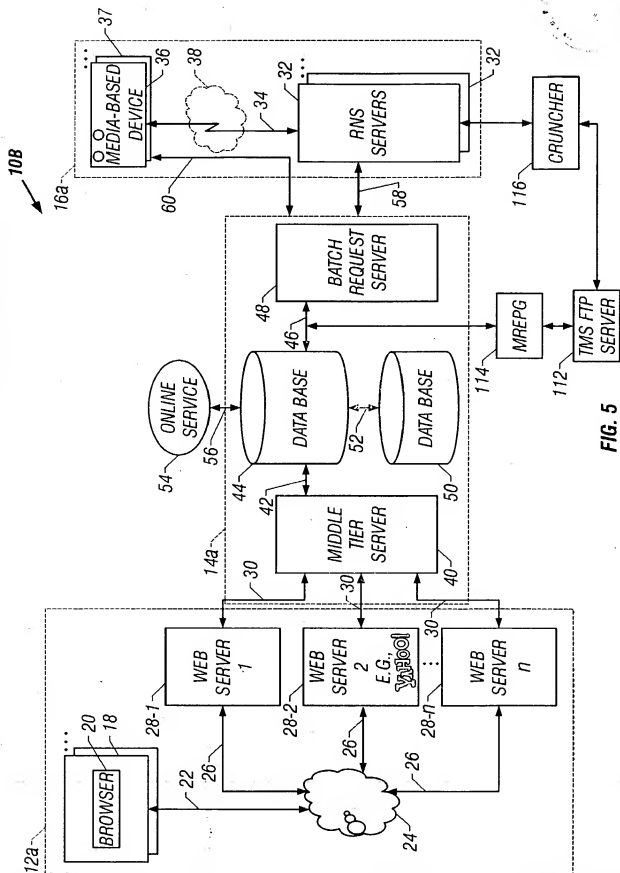


FIG. 5

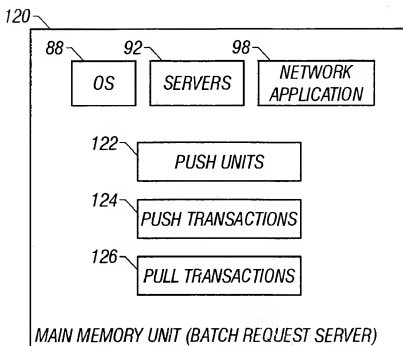


FIG. 6

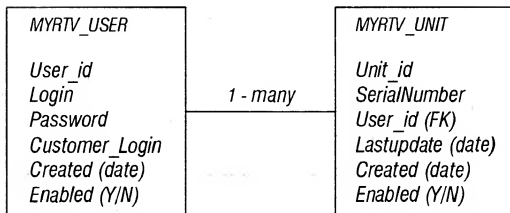


FIG. 7

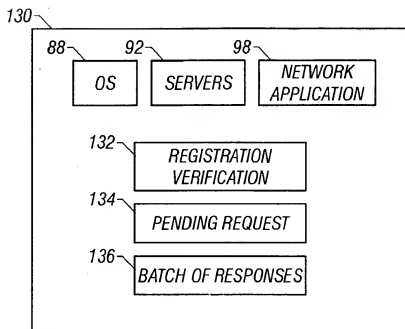


FIG. 8

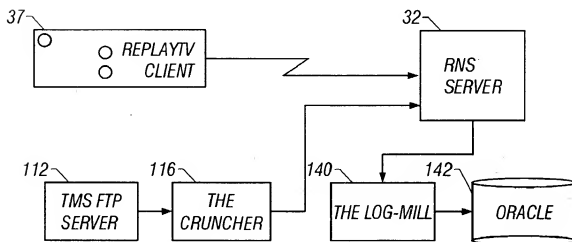
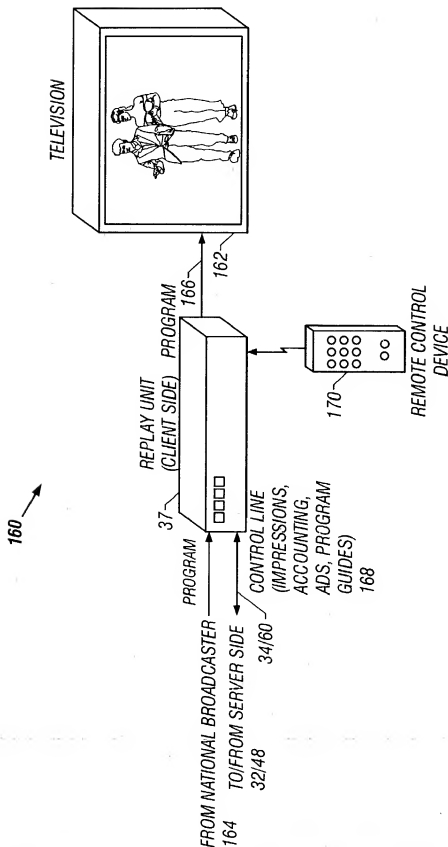




FIG. 9



my  replaytv

Marketing/promotional information

user name:  182


password:  184

☐ remember my password I forgot my password

Are you a new user to the myreplaytv website?

[Help](#) [Contact us](#)

FIG. 11

my  replaytv

Preferences

Help

Logout

Channel Guide

Replay Guide

Find Shows

Manual Record

Channel Guide

Today 03/06

6 pm

0 OXYGEN

GO

195

197

194

196

198

200

192

Tue 3/06

204

202

0 OXYGEN	An Officer and a Gentleman			
1 IN1	Me, Myself & Irene		Scary Movie	
2 KTVU	6 O'Clock Ne...	Spin City	Seinfeld	Spin City
3 LOOR003	Local Origination		Local Origination	
4 KRON	NewsCenter 4 at 6		Frasier	Entertainmen...
5 KPIX	CBS News	Channel 5 Ey...	Evening Maga...	Hollywood Sq...
6 KICU	Home Improve...	The Nanny	Family Feud	Family Feud
7 KGO	ABC 7 News at 6pm		Jeopardy!	Wheel of For...
8 KTSF	TV Patrol	Balita...	Little Saigo	Mandarin New...
9 KQED	Zoboomafoo	Nightly Busi...	The NewsHour With Jim Le...	
10 KTEH	BBC World Ne...	French Field...	Antiques Roa...	EastEnders
11 TVGOS	TV Guide		TV Guide	
12 KBHK	The Simpsons	3rd Rock Fro...	Friends	Friends
13 KBWB	The Drew Car...	Divorce Cour...	Power of Att...	The Drew Car...
14 KDTV	Noticias 14	Noticiero Un...	Carita de Angel	

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FAQ

FIG. 12A

View Description	View Description	2 KTVU ▽	Yesterday 8/17	4 PM ▽	1-15 ▽
Record	Record	4 KRON	Today 8/18 ▽	5 PM	16-30
Record all episodes	Record future episodes	5 KPIX	SAT 8/19	6 PM	31-45
Record + change options	Record + change options	6 FAM	SUN 8/20	7 PM	46-60
Find all episodes	Find all episodes	7 KGO	MON 8/21	8 PM	61-75
Close	Why can't I record?	8 KRCB	TUE 8/22	9 PM	76-90
218 ✓	Close	9 KQED	WED 8/23	10 PM	91-105
View Description	222 ✓	10 KDTV	THU 8/24	11 PM	106-120
Find all episodes		11 KICU	FRI 8/25	12 AM	121-145
Turn off recording		12 KBHK	212 ✓	214 ✓	146
Change record options		13 KBWB			216 ✓
Close		14 CNN			
220 ✓		15 DISN			
		16 QV			

FIG. 12B

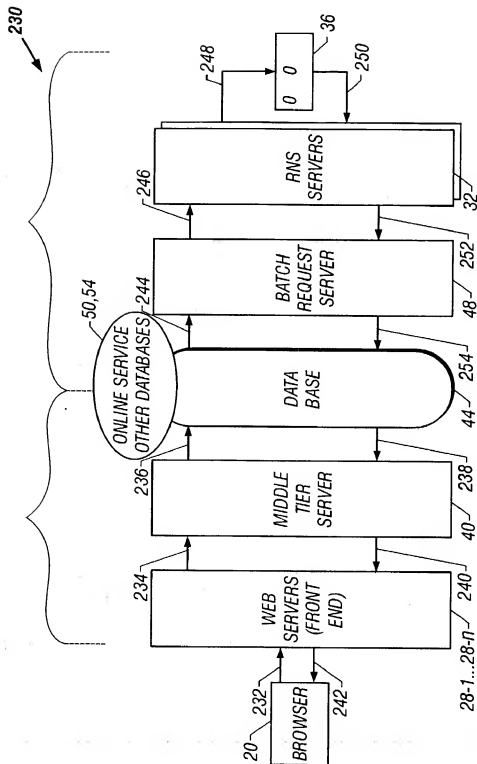


FIG. 13A

SEQUENCE DIAGRAM

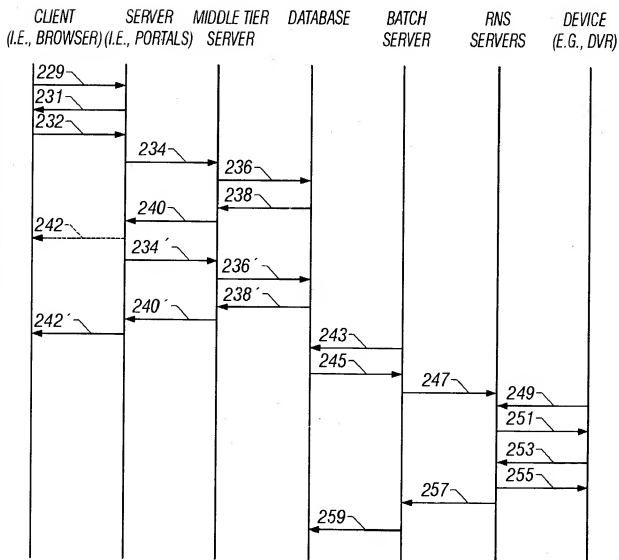


FIG. 13B

API Routine	Function
CreateAccount	<i>Creates an account for a new user based on the information received</i>
Login	<i>Tries to authenticate a user based on the input username and password combination</i>
GetProfile	<i>Returns the profile of the user and his units based on his userid</i>
AddRequest	<i>Adds a request to the unit's list of pending requests based on a set of request parameters, and returns the full status of the unit and of the pending requests, including those for recording specified show(s) and deleting recorded show(s)</i>
DeleteRequest	<i>Delete a request from the user list of pending requests</i>
GetReplayGuide	<i>Returns the Replay Guide of the unit as saved in the appropriate database for the specified unit</i>
GetChannelLineUp	<i>Returns the channel lineup of the unit based on the unit's setting</i>
ChangePassword	<i>Lets the user changes his password</i>
GetEPG	<i>Returns the current electronic program guide for the unit based on the settings of the unit</i>
ShowGuide	<i>Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters</i>

FIG. 14

API Routine	Input Parameters	Output Files (Corresponding XML elements)
CreateAccount	firstname, lastname, address1, address2, city, state, zipcode, serialnumber, login, password, creator	ACCOUNT.XML REPLAYERERROR.XML
Login	login, password	ACCOUNT.XML REPLAYERERROR.XML
GetProfile	userid	PROFILE.XML (USERINFO, UNITINFO-) REPLAYERERROR.XML
AddRequest	userid, unitid, reqtype(none, show, theme, update) <u>reqtype=show</u> : showtype(single, repeat, manual single, manual repeat), headendid, trnsid, device, starttimegmt, name, durationinminutes, inputsource, quality, guaranteedrecord, numepisodes, weekdayflags, earystartinminutes, showguarminminutes <u>reqtype=theme</u> : searchterm, searchflags, suzukiid, durationinminutes, quality, guaranteedrecord <u>reqtype=update</u> : updatetype(deleteshow, presaveshow, deletechannel), channelid, showid	UNITSTATUS.XML (UNITINFO, REQUESTSTATUS-) REPLAYERERROR.XML *Note: REQUESTSTATUS Result=(PENDING, SENT, SUCCESS, GENERAL FAILURE, SCHEDULEFAILURE, ROOMFAILURE)
DeleteRequest	userid, unitid, requestid	DELETERESULT.XML REPLAYERERROR.XML
GetReplayGuide	userid, unitid	GUIDE.XML (REPLAYCHANNEL-) REPLAYERERROR.XML *Note: REPLAYCHANNEL Type=(SINGLE, SINGLEMANUAL, REPEAT, REPEATMANUAL, THEME, THEMEEXACT, ZONE)
GetChannelLineUp	userid, unitid	CHANNELLINEUP.XML (CHANNEL-) REPLAYERERROR.XML
ChangePassword	userid, currentpassword, newpassword	ACCOUNT.XML REPLAYERERROR.XML
GetEPG	userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount	XML file based on tvguide.dtd & tvprograms.dtd REPLAYERERROR.XML
ShowGuide	userid, unitid, query, start, count, levelofdetail *Note: query keywords include actor, advisory, desc, mpaarating, title, etc.	XML file based on tvguide.dtd & tvprograms.dtd REPLAYERERROR.XML

FIG. 15

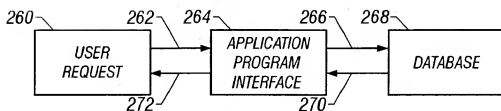


FIG. 16A

460

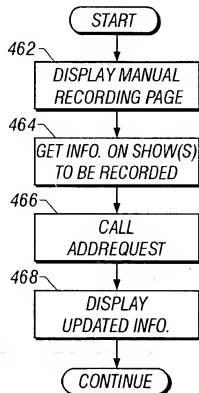


FIG. 25

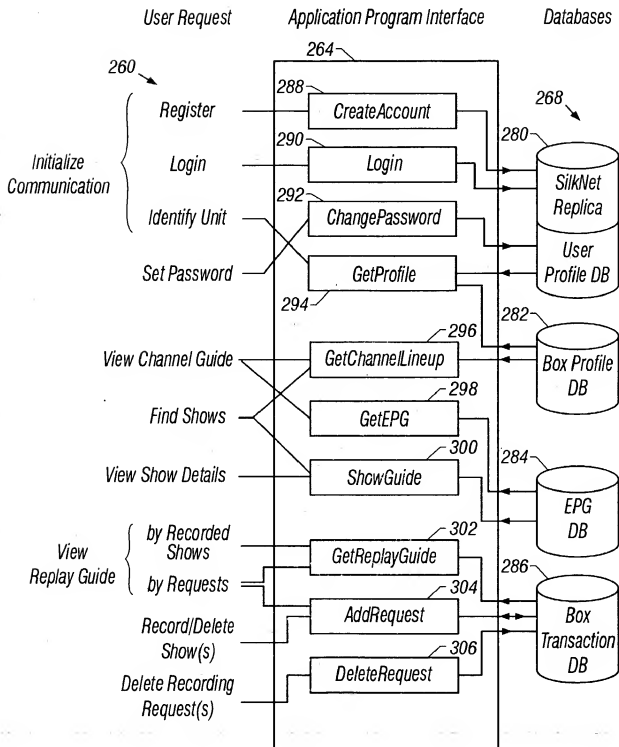


FIG. 16B

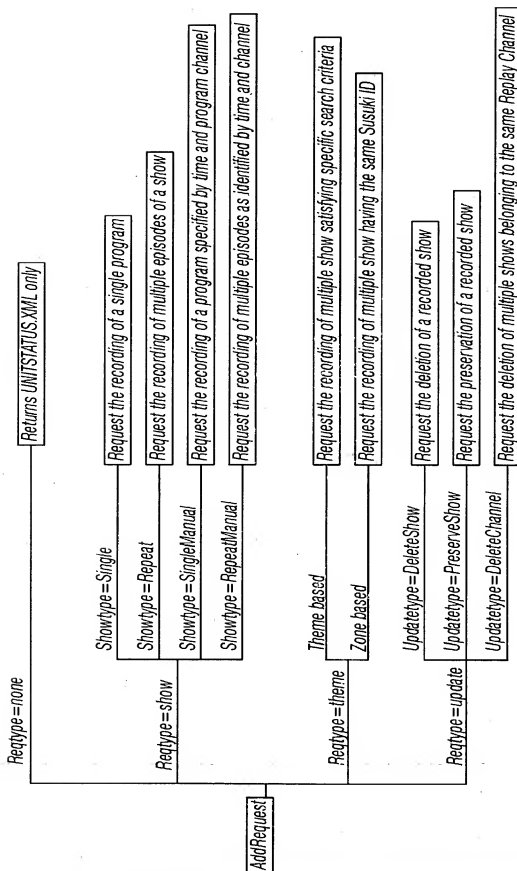


FIG. 17

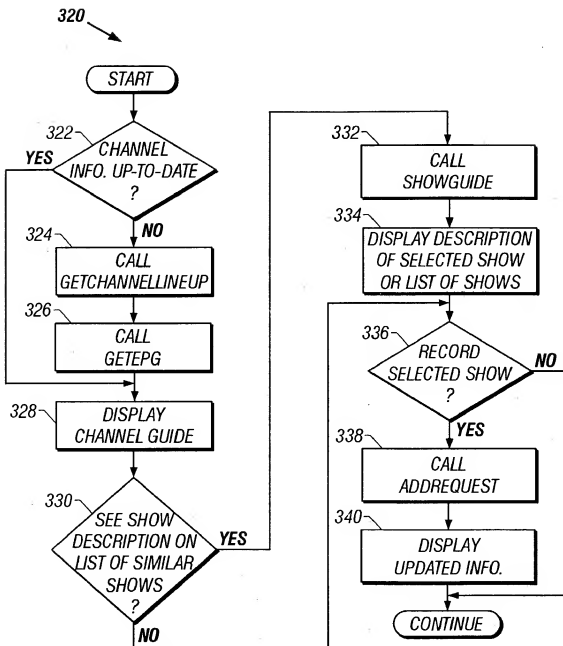


FIG. 18


Replay Guide

350

Review and edit your one time and recurring Replay TV requests

Channel	Details	Status	Request Date
<input type="checkbox"/> A Fistful of Dollars	This single record Replay channel was scheduled to record A Fistful of Dollars from Channel 21(TBS) on Sun, 02/18 at or around 7:00AM - 9:00AM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record.		02/18
<input type="checkbox"/> Blown Away	This single record Replay channel was scheduled to record Blown Away from Channel 42(USAP) on Tue, 01/16 at or around 9:00PM - 11:30PM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record.		01/16
<input type="checkbox"/> Cantonese News	This show-based Replay channel will continuously record the 1 most current episode(s) of Cantonese News occurring every (Sun, Mon, Tue, Wed, Thu, Fri, Sat) on Channel 8(KTSF) at or around 8:00PM - 9:00PM. Guaranteed at EXTENDED quality.		02/28
<input type="checkbox"/> Captain January	This single record Replay channel was scheduled to record Captain January from Channel 49(AMC) on Tue, 01/09 at or around 3:30AM - 5:00AM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record.		01/09

FIG. 19A

my  replaytv

Preferences

Help

Logout

Channel Guide

Replay Guide

Find Shows

Manual Record

Replay Guide

Replay Shows

Replay Channels

350

Review and edit recordings saved to your Replay TV unit

Delete Selected Channels

Channel	Show Title/Episode	Date/Time	Station	Duration	Size
A Fistful of Dollars	<input type="checkbox"/> A Fistful of Dollars	02/18 7:00AM	21 TBS	(2h)	6.46%
Blown Away	<input type="checkbox"/> Blown Away	01/16 9:00PM	42 USAP	(2h 30m)	8.07%
Captain January	<input type="checkbox"/> Captain January	01/09 3:30AM	49 AMC	(1h 30m)	4.84%
Firewalker	<input type="checkbox"/> Firewalker	02/27 8:00PM	21 TBS	(2h)	6.46%
On Deadly Ground	<input type="checkbox"/> On Deadly Ground	01/07 9:00PM	4 KRON	(2h)	6.46%
Platoon	<input type="checkbox"/> Platoon	02/04 8:00PM	37 TNT	(2h 30m)	8.07%
The Bridge on the River Kwai	<input type="checkbox"/> The Bridge on the River Kwai	12/24 8:00AM	42 USAP	(3h 30m)	11.30%
The Little Princess	<input type="checkbox"/> The Little Princess	12/26 4:15AM	49 AMC	(1h 45m)	5.65%
The Trouble with Harry	<input type="checkbox"/> The Trouble with Harry	12/18 1:05PM	49 AMC	(1h 55m)	6.19%
Welcome to ReplayTV	<input type="checkbox"/> Welcome to ReplayTV	09/08 10:49AM		(15m)	2.42%

FIG. 19B

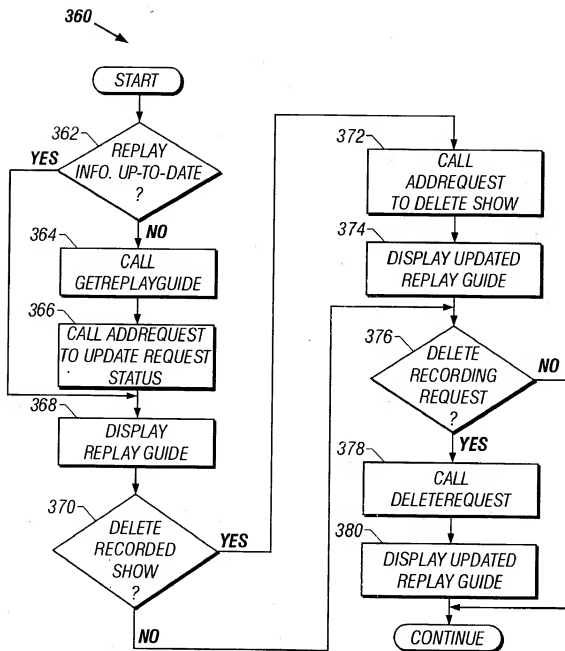


FIG. 20

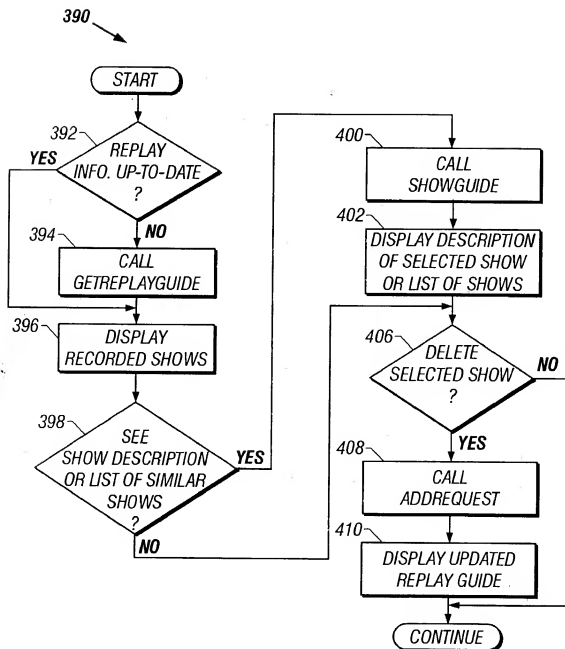


FIG. 21

my r replaytv

Find Shows

Channel Guide

Replay Guide

Preferences

Help

Logout

Manual Record

Find:

Enter the word or phrase that you wish to find.

in these categories:

☒ Show Titles

☐ Actors

☒ Descriptions

☐ Directors

Find Shows

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FIG. 22

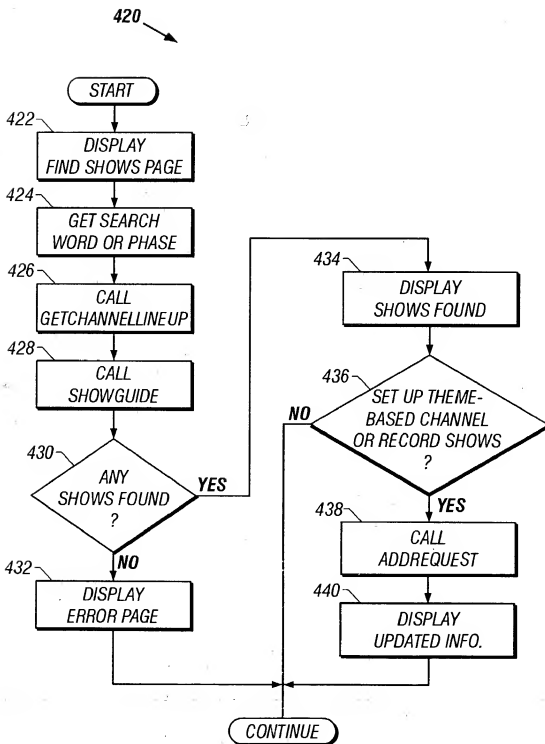


FIG. 23



my  replaytv		Preferences		Help	Logout
Manual Record		Channel Guide	Replay Guide	Find Shows	Manual Record
Single Recording Repeat Recording					
Start Date	Mar	7	2001	} Recording duration:	
Start Time		:	AM		
End Time		:	AM		
Channel	0 OXYGEN				
Quality	Extended				
Guaranteed	Yes				
<div>Submit Request</div>					
450					
Copyright Policy Terms and Conditions Privacy Policy FAQ					

FIG. 24A

my 

Preferences
Help
Logout

Channel GuideFind ShowsManual RecordReplay Guide

Manual Record

3h 45m available at medium quality
as of last connection

Single RecordingRepeat Recording

Days☐ Mon☒ Tue☐ Wed☐ Thu☐ Fri☐ Sat☐ Sun

Start Time7:58 PM▼End Time11:02 PM▼

Channel4 KRON▼

QualityStandard▼

GuaranteedYes▼

Submit Request

452

FIG. 24B

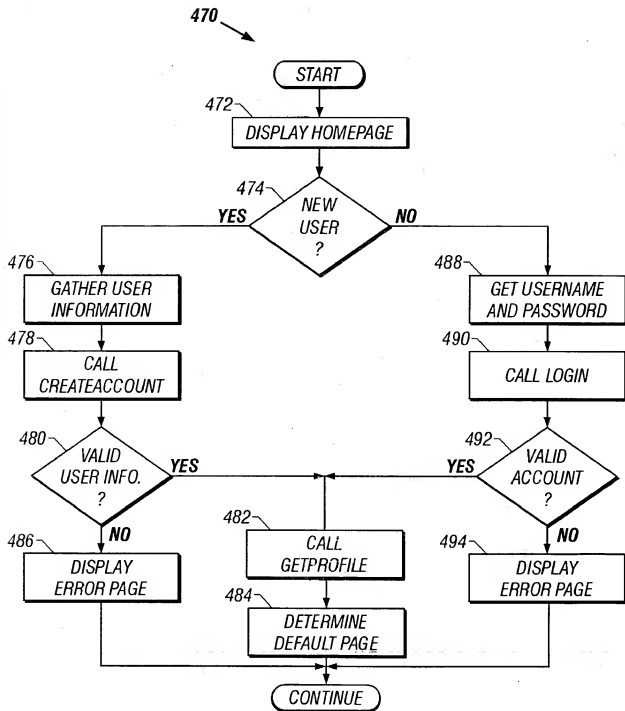


FIG. 26



19A

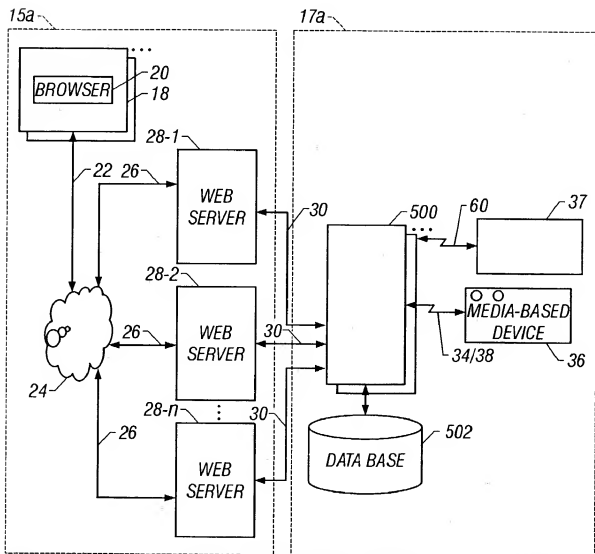


FIG. 27

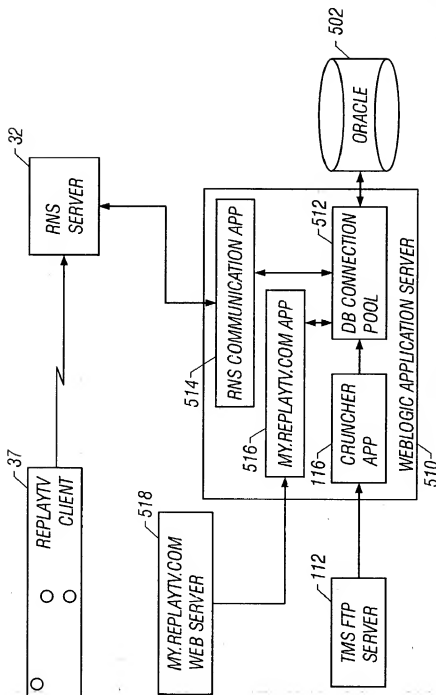


FIG. 28

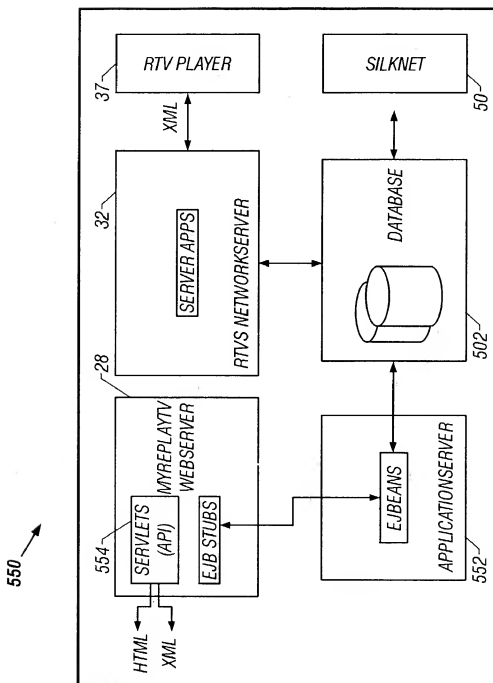


FIG. 29

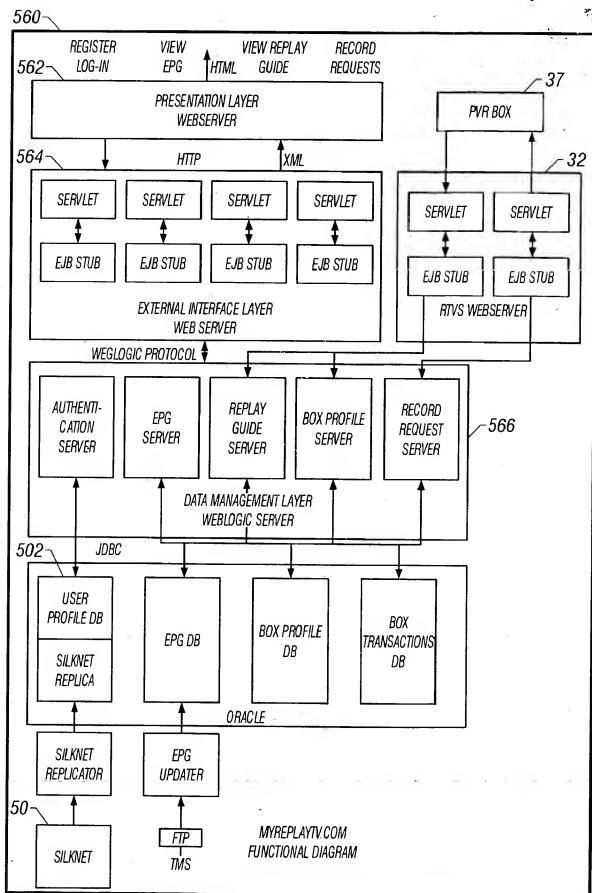


FIG. 30

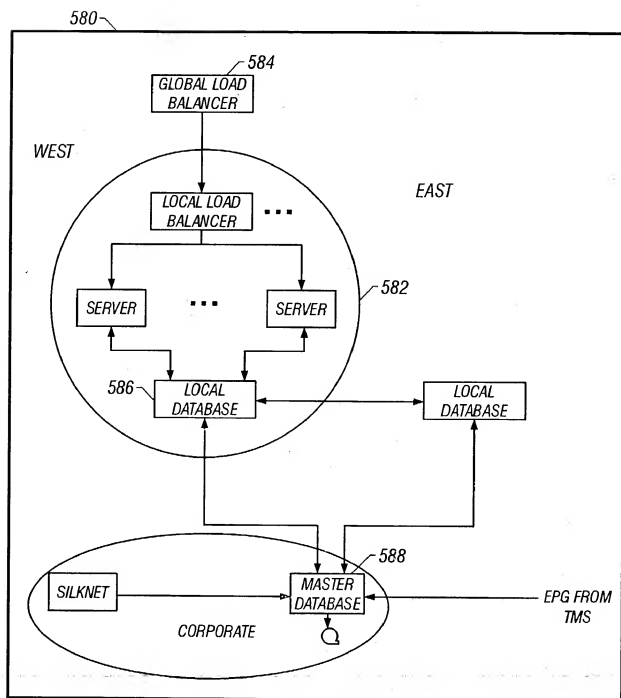


FIG. 31